

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|------------------------|------------------|---------|------------------|
| L1 | 1 | ("6427068").PN. | US-PGPUB; USPAT | OR | OFF | 2006/05/10 18:36 |
| L2 | 1091 | (455/150.1,182.1-182.3,183.1, 339).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/05/10 18:36 |
| S1 | 2606 | ((455/142,143,207,302,303,305, 306,316,324,338) or (375/322, 324)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/02/10 15:29 |
| S2 | 5053 | ((455/214,316,324,336,337,213, 286,302,307,299,306,339,318, 313,314,317,323,266,75) or (333/18)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/02/10 15:32 |
| S3 | 3 | ((5937341") or ("6427068") or ("6631256")).PN. | US-PGPUB; USPAT | OR | OFF | 2005/02/10 15:37 |
| S4 | 1 | ("20040038655").PN. | US-PGPUB; USPAT | OR | OFF | 2005/11/21 11:38 |
| S5 | 58 | ("3961262" "3992616" "4241451" "4584715" "4675882" "4737728" "4803700" "4859960" "4864643" "4884265" "4914408" "4944025" "4953182" "4965853" "4992736" "4994769" "5003621" "5010399" "5121070" "5125008" "5142553" "5214796" "5230099" "5249203" "5315425" "5341107" "5355513" "5375146" "5376894" "5402449" "5438329" "5461643" "5528633" "5548244" "5588025" "5619206" "5640698" "5682099" "5696796" "5715529" "5734976" "5742274" "5758274" "5761615" "5784414" "5784418" "5802463" "5809090" "5811972" "5815529" "5826180" "5828955" "5875212" "5887247" "5950119" "5974306" "6073000" "6427068").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/16 16:04 |

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| S6 | 37 | ("3961262" "3992616" "4241451" "4584715" "4675882" "4737728" "4803700" "4859960" "4864643" "4884265" "4914408" "4944025" "4953182" "4965853" "4994769" "5003621" "5125008" "5142553" "5230099" "5249203" "5341107" "5375146" "5402449" "5548244" "5640698" "5696796" "5715529" "5742189" "5758274" "5761615" "5784414" "5802463" "5826180" "5828955" "5950119" "5974306" "6073000").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/16 16:05 |
| S7 | 23 | ("4241451" "4675882" "4737728" "4803700" "4864643" "4884265" "4944025" "4965853" "4994769" "5003621" "5125008" "5142553" "5230099" "5249203" "5375146" "5402449" "5548244" "5640698" "5761615" "5784414" "5802463" "5826180" "5828955").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/16 16:05 |
| S8 | 20 | oscillat\$3 near10 filter\$3 near10 channel\$7 near10 (passband or "pass-band") | US-PGPUB; USPAT | OR | ON | 2005/02/16 17:07 |
| S9 | 2606 | ((455/142,143,207,302,303,305, 306,316,324,338) or (375/322, 324)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/02/16 16:07 |
| S10 | 5054 | ((455/214,316,324,336,337,213, 286,302,307,299,306,339,318, 313,314,317,323,266,75) or (333/18)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/02/16 16:07 |
| S11 | 0 | S5 and S8 | US-PGPUB; USPAT | OR | ON | 2005/02/16 17:07 |
| S12 | 0 | S6 and S8 | US-PGPUB; USPAT | OR | ON | 2005/02/16 17:07 |
| S13 | 0 | S7 and S8 | US-PGPUB; USPAT | OR | ON | 2005/02/16 17:07 |
| S14 | 2758 | ((455/142,143,207,302,303,305, 306,316,324,338) or (375/322, 324)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/11/21 11:33 |

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| S15 | 1 | ("6631256").PN. | US-PGPUB; USPAT | OR | OFF | 2005/11/21 11:39 |
| S16 | 1 | ("6427068").PN. | US-PGPUB; USPAT | OR | OFF | 2005/11/21 11:39 |
| S17 | 5301 | ((455/214,316,324,336,337,213,286,302,307,299,306,339,318,313,314,317,323,266,75) or (333/18)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/11/21 11:47 |
| S18 | 6880 | S14 or S17 | US-PGPUB; USPAT | OR | OFF | 2005/11/21 11:47 |
| S19 | 1593 | S18 and quadrature | US-PGPUB; USPAT | OR | OFF | 2005/11/21 11:47 |
| S20 | 118 | S18 and (quadrature near7 inphase) | US-PGPUB; USPAT | OR | ON | 2005/11/21 11:47 |
| S21 | 2854 | ((455/142,143,207,302,303,305,306,316,324,338) or (375/322,324)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/04/02 17:09 |
| S22 | 5469 | ((455/214,316,324,336,337,213,286,302,307,299,306,339,318,313,314,317,323,266,75) or (333/18)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/04/02 17:09 |
| S23 | 3 | ("6631256") or ("6427068") or ("5937341").PN. | US-PGPUB; USPAT | OR | OFF | 2006/04/02 17:50 |
| S24 | 0 | channel near3 spac\$3 near8 quadrature near9 (tuning or tun\$3 or tunable) near8 oscillat\$3 near9 mixer | US-PGPUB; USPAT | OR | ON | 2006/04/02 18:05 |

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| S25 | 58 | ("3961262" "3992616" "4241451" "4584715" "4675882" "4737728" "4803700" "4859960" "4864643" "4884265" "4914408" "4944025" "4953182" "4965853" "4992736" "4994769" "5003621" "5010399" "5121070" "5125008" "5142553" "5214796" "5230099" "5249203" "5315425" "5341107" "5355513" "5375146" "5376894" "5402449" "5438329" "5461643" "5528633" "5548244" "5588025" "5619206" "5640698" "5682099" "5696796" "5715529" "5734976" "5742274" "5758274" "5761615" "5784414" "5784418" "5802463" "5809090" "5811972" "5815529" "5826180" "5828955" "5875212" "5887247" "5950119" "5974306" "6073000" "6427068").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/02 17:57 |
| S26 | 0 | channel near3 spac\$3 near8 "q" near9 (tuning or tun\$3 or tunable) near8 oscillat\$3 near9 mixer | US-PGPUB; USPAT | OR | ON | 2006/04/02 18:05 |
| S27 | 5 | channel near3 spac\$3 near8 "q" near12 oscillat\$3 near9 mixer | US-PGPUB; USPAT | OR | ON | 2006/05/10 11:39 |
| S28 | 2854 | ((455/142,143,207,302,303,305, 306,316,324,338) or (375/322, 324)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/04/03 07:55 |

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| S29 | 58 | ("3961262" "3992616" "4241451" "4584715" "4675882" "4737728" "4803700" "4859960" "4864643" "4884265" "4914408" "4944025" "4953182" "4965853" "4992736" "4994769" "5003621" "5010399" "5121070" "5125008" "5142553" "5214796" "5230099" "5249203" "5315425" "5341107" "5355513" "5375146" "5376894" "5402449" "5438329" "5461643" "5528633" "5548244" "5588025" "5619206" "5640698" "5682099" "5696796" "5715529" "5734976" "5742274" "5758274" "5761615" "5784414" "5784418" "5802463" "5809090" "5811972" "5815529" "5826180" "5828955" "5875212" "5887247" "5950119" "5974306" "6073000" "6427068").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/03 07:56 |
| S30 | 5 | inphase near7 quadrature near8 tuning | US-PGPUB; USPAT | OR | OFF | 2006/04/03 07:57 |
| S31 | 2886 | ((455/142,143,207,302,303,305,306,316,324,338) or (375/322,324)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/05/10 11:15 |
| S32 | 5525 | ((455/214,316,324,336,337,213,286,302,307,299,306,339,318,313,314,317,323,266,75) or (333/18)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/05/10 11:16 |
| S33 | 2886 | ((455/142,143,207,302,303,305,306,316,324,338) or (375/322,324)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/05/10 18:30 |
| S34 | 5525 | ((455/214,316,324,336,337,213,286,302,307,299,306,339,318,313,314,317,323,266,75) or (333/18)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/05/10 11:16 |
| S35 | 7178 | S33 or S34 | US-PGPUB; USPAT | OR | OFF | 2006/05/10 11:16 |
| S36 | 130 | S35 and (quadrature near7 inphase) | US-PGPUB; USPAT | OR | ON | 2006/05/10 11:16 |

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|-----|-----|---|--------------------|----|----|------------------|
| S37 | 0 | channel near3 spac\$3 near8 "q" near9 (tuning or tun\$3 or tunable) near8 oscillat\$3 near9 mixer | US-PGPUB; USPAT | OR | ON | 2006/05/10 11:16 |
| S38 | 130 | S35 and (quadrature near7 inphase) | US-PGPUB; USPAT | OR | ON | 2006/05/10 11:17 |
| S39 | 0 | inphase near7 quadrature near8 channel near4 spac\$3 | US-PGPUB; USPAT | OR | ON | 2006/05/10 11:22 |
| S41 | 0 | inphase near7 quadrature near15 channel\$2 near4 spac\$3 | US-PGPUB; USPAT | OR | ON | 2006/05/10 11:22 |
| S42 | 26 | inphase near7 quadrature near15 channel near4 separa\$4 | US-PGPUB; USPAT | OR | ON | 2006/05/10 11:38 |
| S43 | 6 | (inphase near7 quadrature near15 channel near4 separa\$4).clm. | US-PGPUB; USPAT | OR | ON | 2006/05/10 11:39 |
| S44 | 15 | channel near3 spac\$3 near12 "q" near12 filter\$3 | US-PGPUB; USPAT | OR | ON | 2006/05/10 16:46 |
| S45 | 1 | (channel near3 spac\$3 near12 "q" near12 filter\$3).clm. | US-PGPUB; USPAT | OR | ON | 2006/05/10 16:46 |